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**1 Patterned perpendicular and longitudinal media: a magnetic recording study**

Albrecht, M.; Ganesan, S.; Rettner, C.T.; Moser, A.; Best, M.E.; White, R.L.; T B.D.;  
Magnetics, IEEE Transactions on , Volume: 39 , Issue: 5 , Sept. 2003  
Pages:2323 - 2325

[Abstract] [PDF Full-Text (668KB)] IEEE JNL

**2 Ion projection direct structuring for patterning of magnetic media**

Dietzel, A.; Berger, R.; Grimm, H.; Bruenger, W.H.; Dzionk, C.; Letzkus, F.; Springer, R.; Loeschner, H.; Platzgummer, E.; Stengl, G.; Bandic, Z.Z.; Terris B.D.;  
Magnetics, IEEE Transactions on , Volume: 38 , Issue: 5 , Sept. 2002  
Pages:1952 - 1954

[Abstract] [PDF Full-Text (195KB)] IEEE JNL

**3 Magnetic characterization and recording properties of patterned Co<sub>70</sub>Cr<sub>18</sub>Pt<sub>12</sub> perpendicular media**

Rettner, C.T.; Anders, S.; Thomson, T.; Albrecht, M.; Ikeda, Y.; Best, M.E.; T B.D.;  
Magnetics, IEEE Transactions on , Volume: 38 , Issue: 4 , July 2002  
Pages:1725 - 1730

[Abstract] [PDF Full-Text (346KB)] IEEE JNL

**4 Patterning of granular magnetic media with a focused ion beam to produce single-domain islands at >140 Gbit/in<sup>2</sup>**

Rettner, C.T.; Best, M.E.; Terris, B.D.;  
Magnetics, IEEE Transactions on , Volume: 37 , Issue: 4 , July 2001  
Pages:1649 - 1651

[Abstract] [PDF Full-Text (112KB)] IEEE JNL

**5 Track width definition of giant magnetoresistive sensors by ion**

**irradiation**

Folks, L.; Baglin, J.E.E.; Kellock, A.J.; Carey, M.J.; Terris, B.D.; Gurney, B.; Magnetics, IEEE Transactions on ,Volume: 37 , Issue: 4 , July 2001  
Pages:1730 - 1732

[\[Abstract\]](#) [\[PDF Full-Text \(69KB\)\]](#) [IEEE JNL](#)

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**6 Effect of ion beam patterning on the write and read performance of perpendicular granular recording media**

Lohau, J.; Moser, A.; Rettner, C.T.; Best, M.E.; Terris, B.D.; Magnetics, IEEE Transactions on ,Volume: 37 , Issue: 4 , July 2001  
Pages:1652 - 1656

[\[Abstract\]](#) [\[PDF Full-Text \(376KB\)\]](#) [IEEE JNL](#)

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**7 High-density data storage based on the atomic force microscope**

Mamin, H.J.; Ried, R.P.; Terris, B.D.; Rugar, D.; Proceedings of the IEEE ,Volume: 87 , Issue: 6 , June 1999  
Pages:1014 - 1027

[\[Abstract\]](#) [\[PDF Full-Text \(1448KB\)\]](#) [IEEE JNL](#)

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**8 High-density data storage based on the atomic force microscope**

Mamin, H.J.; Ried, R.P.; Terris, B.D.; Rugar, D.; Proceedings of the IEEE ,Volume: 87 , Issue: 6 , June 1999  
Pages:1012 - 1013

[\[Abstract\]](#) [\[PDF Full-Text \(16KB\)\]](#) [IEEE JNL](#)

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**9 Low-stiffness silicon cantilevers with integrated heaters and piezoresistive sensors for high-density AFM thermomechanical data storage**

Chui, B.W.; Stowe, T.D.; Yongho Sungtaek Ju; Goodson, K.E.; Kenny, T.W.; Mamin, H.J.; Terris, B.D.; Ried, R.P.; Rugar, D.; Microelectromechanical Systems, Journal of ,Volume: 7 , Issue: 1 , March 19  
Pages:69 - 78

[\[Abstract\]](#) [\[PDF Full-Text \(372KB\)\]](#) [IEEE JNL](#)

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**10 6-MHz 2-N/m piezoresistive atomic-force microscope cantilevers w INCISIVE tips**

Ried, R.P.; Mamin, H.J.; Terris, B.D.; Long-Sheng Fan; Rugar, D.; Microelectromechanical Systems, Journal of ,Volume: 6 , Issue: 4 , Dec. 1997  
Pages:294 - 302

[\[Abstract\]](#) [\[PDF Full-Text \(340KB\)\]](#) [IEEE JNL](#)

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**11 Data storage in NOS: lifetime and carrier-to-noise measurements**

Terris, B.D.; Barrett, R.C.; Electron Devices, IEEE Transactions on ,Volume: 42 , Issue: 5 , May 1995  
Pages:944 - 949

[\[Abstract\]](#) [\[PDF Full-Text \(596KB\)\]](#) [IEEE JNL](#)

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**12 Electrostatic writing and imaging using a force microscope**

Saurenbach, F.; Terris, B.D.;

Industry Applications, IEEE Transactions on , Volume: 28 , Issue: 1 , Jan.-Feb 1992

Pages:256 - 260

[\[Abstract\]](#) [\[PDF Full-Text \(472KB\)\]](#) [IEEE JNL](#)

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**13 Performance of an overlapped macro-cell based location area scheme**

Kuo-Hsing Chiang; Shenoy, N.;

Communications, 2003. ICC '03. IEEE International Conference on , Volume: 1 , 11-15 May 2003

Pages:475 - 481

[\[Abstract\]](#) [\[PDF Full-Text \(511KB\)\]](#) [IEEE CNF](#)

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**14 Agglomeration effects in FePt nanoparticles on si substrates studie small angle neutron scattering and magnetometry**

Thomson, T.; Lee, S.L.; Dewhurst, C.; Ogrin, F.Y.; Oates, C.J.; Sun, S.; Ande S.; Terris, B.D.;

Magnetics Conference, 2003. INTERMAG 2003. IEEE International , March 28 April 3, 2003

Pages:FD-04 - FD-04

[\[Abstract\]](#) [\[PDF Full-Text \(187KB\)\]](#) [IEEE CNF](#)

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**15 Patterned perpendicular and longitudinal media**

Albrecht, M.; Ganesan, S.; Rettner, C.T.; Moser, A.; Best, M.E.; White, R.L.; T B.D.;

Magnetics Conference, 2003. INTERMAG 2003. IEEE International , March 28 April 3, 2003

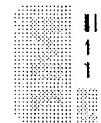
Pages:DE-09 - DE-09

[\[Abstract\]](#) [\[PDF Full-Text \(202KB\)\]](#) [IEEE CNF](#)

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**1 Transition position jitter in longitudinal magnetic recording media**

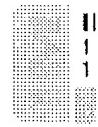
Moser, A.; Rubin, K.A.; Best, M.E.;  
Magnetics, IEEE Transactions on , Volume: 37 , Issue: 4 , July 2001  
Pages: 1872 - 1874

[\[Abstract\]](#) [\[PDF Full-Text \(76KB\)\]](#) **IEEE JNL**

**2 Optimum design of optical storage media for drive compatibility**

McDaniel, T.W.; Rubin, K.A.; Finkelstein, B.I.;  
Magnetics, IEEE Transactions on , Volume: 30 , Issue: 6 , Nov 1994  
Pages: 4413 - 4415

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**1 Transition position jitter in longitudinal magnetic recording media**

Moser, A.; Rubin, K.A.; Best, M.E.;  
Magnetics, IEEE Transactions on , Volume: 37 , Issue: 4 , July 2001  
Pages:1872 - 1874

[Abstract] [PDF Full-Text (76KB)] IEEE JNL

**2 Demonstration of 35 Gbits/in<sup>2</sup> in media on glass substrates**

Doerner, M.; Xiaoping Bian; Madison, M.; Kai Tang; Qingzhi Peng; Polcyn, A.; Arnoldussen, T.; Toney, M.F.; Mirzamaani, M.; Takano, K.; Fullerton, E.; Marg D.; Schabes, M.; Rubin, K.; Pinarbasi, M.; Yuan, S.; Parker, M.; Weller, D.;  
Magnetics, IEEE Transactions on , Volume: 37 , Issue: 2 , March 2001  
Pages:1052 - 1058

[Abstract] [PDF Full-Text (156KB)] IEEE JNL

**3 Recording heads with track widths suitable for 100 Gbit/in<sup>2</sup> density**

Khizroev, S.K.; Kryder, M.H.; Ikeda, Y.; Rubin, K.; Arnett, P.; Best, M.; Thom D.A.;  
Magnetics, IEEE Transactions on , Volume: 35 , Issue: 5 , Sept. 1999  
Pages:2544 - 2546

[Abstract] [PDF Full-Text (336KB)] IEEE JNL

**4 A coding approach for detection of tampering in write-once optical d**

Blaum, M.; Bruck, J.; Rubin, K.; Lenth, W.;  
Computers, IEEE Transactions on , Volume: 47 , Issue: 1 , Jan. 1998  
Pages:120 - 125

[Abstract] [PDF Full-Text (52KB)] IEEE JNL

**5 Optimum design of optical storage media for drive compatibility**

McDaniel, T.W.; Rubin, K.A.; Finkelstein, B.I.;  
Magnetics, IEEE Transactions on , Volume: 30 , Issue: 6 , Nov 1994  
Pages:4413 - 4415

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[Abstract] [PDF Full-Text (260KB)] IEEE JNL

**6 ALLY: an operator's associate for cooperative supervisory control systems**

Bushman, J.B.; Mitchell, C.M.; Jones, P.M.; Rubin, K.S.; Systems, Man and Cybernetics, IEEE Transactions on ,Volume: 23 , Issue: 1 , Jan.-Feb. 1993  
Pages:111 - 128

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[Abstract] [PDF Full-Text (1824KB)] IEEE JNL

**7 OFMspert: inference of operator intentions in supervisory control us blackboard architecture**

Rubin, K.S.; Jones, P.M.; Mitchell, C.M.; Systems, Man and Cybernetics, IEEE Transactions on ,Volume: 18 , Issue: 4 , July-Aug. 1988  
Pages:618 - 637

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[Abstract] [PDF Full-Text (1872KB)] IEEE JNL

**8 Beyond 35 GBIT/IN<sup>2</sup>/: using a merged notched head on advan thermally stable media**

Madison, M.; Arnoldussen, T.; Pinarbasi, M.; Parker, M.; Doerner, M.; Bian, X Tang, C.K.; Mirzamaani, M.; Yuan, S.; Li, J.; Lauchlan, L.; Ingall, L.; Ranisesk Fang, P.; Margulies, D.; Marinero, E.; Rubin, K.; Takano, K.; Fullerton, E.; We D.; Moser, A.; Best, M.E.; Magnetics Conference, 2000. INTERMAG 2000 Digest of Technical Papers. 200 IEEE International , April 9-13, 2000  
Pages:677 - 677

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[Abstract] [PDF Full-Text (64KB)] IEEE CNF

**9 Advanced media on glass substrates for 30 GBITS/IN<sup>2</sup>/ and beyond**

Doerner, M.F.; Xiaoping Bian; Kai Tang; Toney, M.F.; Rubin, K.; Weller, D.; M A.; Mirzamaani, M.; Polcyn, A.; Minvielle, T.; Takano, K.; White, R.; Magnetics Conference, 2000. INTERMAG 2000 Digest of Technical Papers. 200 IEEE International , April 9-13, 2000  
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[Abstract] [PDF Full-Text (96KB)] IEEE CNF

**10 Recording heads with track widths suitable for 100 Gbit/in<sup>2</sup>/ density**

Khizroev, S.K.; Kryder, M.H.; Ikeda, Y.; Rubin, K.; Arnett, P.; Best, M.; Thom D.A.; Magnetics Conference, 1999. Digest of INTERMAG 99. 1999 IEEE International , May 18-21, 1999  
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**11 Magnetic Relaxation and Recording Characteristics of CoSm Alloys**

*Marinero, E.E.; Kubota, Y.; Morellon, L.; McChesney, W.; Rubin, K.; Goldberg*  
MMM-Intermag Conference, 1998. Abstracts., The 7th Joint , 6-9 Jan. 1998  
Pages:235 - 235

[Abstract] [PDF Full-Text (124KB)] IEEE CNF

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**12 Multilevel volumetric storage**

*Tang, W.; Rubin, K.; Rosen, H.;*  
Lasers and Electro-Optics, 1995. Technical Digest. CLEO/Pacific Rim'95., Pacif  
Rim Conference on , 10-14 July 1995  
Pages:70

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**13 Reuse in software engineering: an object-oriented perspective**

*Rubin, K.S.;*  
Compcon Spring '90. 'Intellectual Leverage'. Digest of Papers. Thirty-Fifth IEE  
Computer Society International Conference. , 26 Feb.-2 March 1990  
Pages:340 - 346

[Abstract] [PDF Full-Text (608KB)] IEEE CNF

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**14 ALLY: an operator's associate model for cooperative supervisory co  
situations**

*Bushman, J.B.; Mitchell, C.M.; Jones, P.M.; Rubin, K.S.;*  
Systems, Man and Cybernetics, 1989. Conference Proceedings., IEEE Internat  
Conference on , 14-17 Nov. 1989  
Pages:40 - 45 vol.1

[Abstract] [PDF Full-Text (380KB)] IEEE CNF

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